

Westwood Estates Mobile Home Park Case Study

Westwood Estates Mobile Home Park is located in Pemberton, NH. The town has a population of 6,000, while the mobile home park serves approximately 300 residents. Westwood Estates is located off NH Route 66, one of several arteries radiating from the neighboring city, a regional population center of about 25,000. Route 66 in Pemberton is heavily traveled and is lined with stores, small strip malls, and service businesses.

Westwood has three bedrock wells. Their wellhead protection areas are based upon the wells' maximum daily volumes of 15,000, 9,000, and 5,000 gallons per day.

There is a small community system that serves about 500 people in the village and six other community systems (besides Westwood) serving subdivisions, mobile home parks, and apartment buildings. Westwood is about 1.5 miles from the service area of the village system.

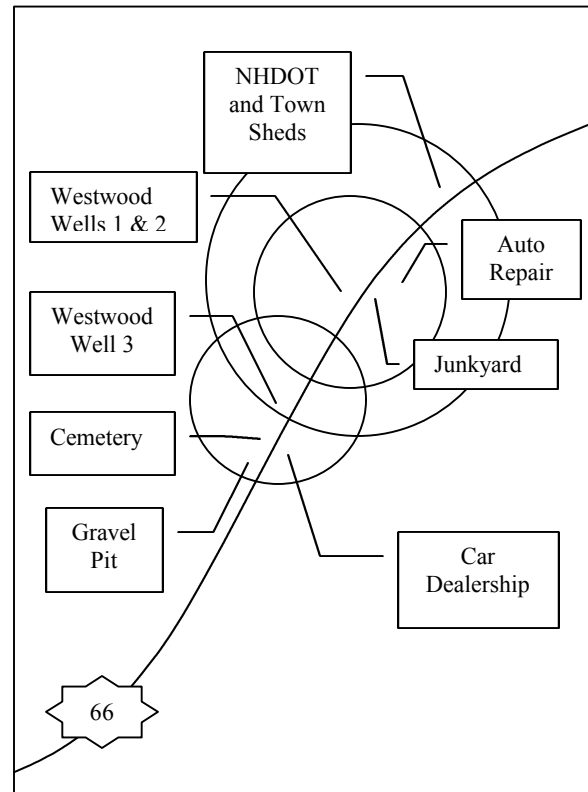
Several years ago, Westwood's owners applied to DES for a Phase II/V waiver to save money on chemical monitoring. To qualify for the waiver, they had to conduct an inventory of potential contamination sources within the wellhead protection area. Here is the inventory:

1. NH Route 66 (within SPR)
2. Junkyard across highway (500 feet from well)
3. Old auto repair shop next to junkyard
4. State DOT maintenance sheds
5. Town highway shed
6. Car dealership (new and used)
7. Cemetery
8. Gravel pit

Other than the above land uses, the dominant land use in the WHPA is single-family residential, including Westwood Estates. The regional high school is also located in the WHPA.

Westwood was told that in order to qualify for a chemical monitoring waiver, they would need to correct a number of sanitary survey deficiencies: hazardous materials stored in and around the pump-house (paints, asphalt sealer, small cans of gas, etc.), and other hazards in the sanitary radius (boat storage, vehicle parking, RVs, septic systems, and a storage shed).

If Westwood's owners were to approach town boards (Selectmen, Planning, Health), they would find that the town is willing to comply with BMPs at the town shed, but the area is already developed so they don't see a need to make zoning changes. At the same time, the town won't object to wellhead protection activities initiated by Westwood.



Facilitator: Michael Metcalf

Michael Metcalf has 21 years of experience in the water resources field, including planning, design and construction of groundwater and surface water supply, water storage, and water transmission and distribution main projects. At the engineering consulting firm of Dufresne-Henry, he has been involved in many safe yield analyses, WHPA delineations, PCS inventories and development of best management plans. Michael earned his BSE degree (with an emphasis on Environmental Engineering) from the University of Connecticut in 1979 and his MS in Hydrology from the University of New Hampshire in 1992. He is a registered Professional Engineer in New Hampshire and Maine, and is a member of New Hampshire Water Works Association, New England Water Works Association, American Water Works Association, New Hampshire Geological Society, and Green Mountain Water Environment Association.